

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION
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Morbidity and Mortality

EPIDEMIOLOGIC NOTES AND REPORTS
PSITTACOSIS - Baltimore, Maryland

Since January 1969, four clinical cases of psittacosis in humans have occurred in residents of the Baltimore metropolitan area. All four persons gave a history of close association with recently purchased psittacine birds that had been ill with characteristic signs of psittacosis. All four birds had died approximately 2 weeks prior to onset of the associated human case.

The first patient, a 55-year-old man, was admitted to a Baltimore hospital on January 1 because of severe respiratory distress, jaundice, and obtundation. He was treated with tetracycline and gradually recovered. His

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acute and convalescent sera had complement fixation (CF) titers against psittacosis from 1:64 to 1:1,024. The second patient, a 58-year-old woman, was hospitalized
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TABLE I. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	19th WEEK ENDED		MEDIAN 1964 - 1968	CUMULATIVE, FIRST 19 WEEKS		
	May 10, 1969	May 11, 1968		1969	1968	MEDIAN 1964 - 1968
Aseptic meningitis	23	25	26	537	544	530
Brucellosis	3	6	6	40	55	77
Diphtheria	—	1	1	48	66	66
Encephalitis, primary:						
Arthropod-borne & unspecified	19	26	32	373	304	463
Encephalitis, post-infectious	9	14	24	104	201	311
Hepatitis, serum	97	83	769	1,919	1,427	15,713
Hepatitis, infectious	914	929		17,496	15,967	
Malaria	103	25	3	939	787	102
Measles (rubeola)	916	836	8,095	12,452	12,854	142,413
Meningococcal infections, total	60	36	56	1,631	1,350	1,350
Civilian	58	34	—	1,484	1,219	—
Military	2	2	—	147	131	—
Mumps	2,541	4,093	—	46,852	93,747	—
Polio myelitis, total	—	—	—	1	18	8
Paralytic	—	—	—	1	18	7
Rubella (German measles)	3,106	2,283	—	29,465	28,158	—
Streptococcal sore throat & scarlet fever	8,364	9,016	9,246	211,299	208,024	208,024
Tetanus	5	3	4	40	39	55
Tularemia	2	34	5	33	59	59
Typhoid fever	14	7	7	97	92	117
Typhus, tick-borne (Rky. Mt. spotted fever)	11	5	3	21	16	12
Rabies in animals	77	79	93	1,487	1,464	1,704

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax	1	Rabies in man	—
Botulism	9	Rubella congenital syndrome	5
Leptospirosis: Hawaii-2	16	Trichinosis*	30
Plague	—	Typhus, murine	5
Psittacosis: Md.-2	12		

*Delayed reports: Trichinosis: Colo. delete 1.

PSITTACOSIS – (Continued from front page)

on April 10 because of fever to 104°F and severe pneumonia. She was treated with penicillin and slowly recovered. A single convalescent blood had a CF titer of greater than 1:256 against psittacosis. The third patient was admitted to a hospital on April 3 with fever, pneumonia, and toxemia. She also was placed on tetracycline and made a gradual recovery. She had acute and convalescent titer values of 1:64 to greater than 1:256. The fourth patient, an 18-year-old girl, was hospitalized on April 1. She had been started on penicillin and tetracycline at home 5 days before hospitalization. Sera drawn 2 weeks apart had titers of 1:8 to 1:16. Another serum will be processed. The first and third patients had had association with conures (psittacine birds) and the second and

fourth patients with parakeets. The second patient had also had contact with another bird that had been in the household for 8 months and had remained well.

Epidemiologic investigation revealed that although all the birds were purchased from different retail dealers in Baltimore, birds associated with three of the four human cases came from the same large wholesaler and were imported through New York City. The remaining bird came from a distributor in Miami.

(Reported by Kenneth L. Crawford, D.V.M., M.P.H., Chief, Division of Veterinary Medicine, John H. Janney, M.D., M.P.H., Director, Division of Communicable Diseases, and J. M. Joseph, Ph.D., Chief, Virology Laboratory, Maryland State Department of Health; and an EIS Officer.)

DIPHTHERIA – Phoenix (Maricopa County), Arizona

Between Nov. 1, 1968, and May 1, 1969, 12 cases of diphtheria including three deaths were reported from Phoenix (Maricopa County), Arizona. No cases had been reported from Arizona in the previous 5 years and only five had been reported between 1959 and 1964. The current outbreak began in November 1968 when three cases were reported; one case occurred in December, two in February 1969, five in March, and one in April. Eleven of the 12 cases including the three fatal cases were in children, 10 of whom were Mexican-Americans. One case occurred in a 60-year-old Mexican-American farm laborer. Toxigenic, gravis strain *Corynebacterium diphtheriae* was isolated from the 11 children and a mitis strain from the man. The fatal cases were unimmunized and the other nine cases were either unimmunized or had not completed a primary immunization series.

Epidemiologic investigation showed that of the 11 children, seven had direct or indirect association with a previous diphtheria case while four had no apparent association with another case. The first reported case was in an 8-year-old boy who became ill on Nov. 11, 1968. The source of his infection was not determined. The second patient, a 7-year-old Negro boy who became ill on November 17, attended second grade at the same school as the first patient. These two boys were hospitalized at a local hospital where a long term patient, a 13-year-old boy with muscular dystrophy, became ill on November 26. The fourth patient, a 6-year-old boy who died on December 23 after a 10-day illness, was a classmate of a household contact of the first patient. Although this household contact had not consulted a physician, she gave a history of

exudative pharyngitis in early December. The fifth and sixth cases, reported on March 14 and 17, were in 4 and 6-year-old girls whose older siblings attended elementary school with the fourth patient. These older siblings were found to be carriers of the causative organism. A seventh case occurred on February 21 in a 9-year-old girl and an eighth case on February 28 in a 9-year-old boy. The sources of their infections were undetermined. On March 12 a ninth case occurred in a 12-year-old schoolmate of the eighth case and on March 25 a tenth case child became ill, an 8-year-old classmate of the seventh case. One other case was reported in April in a 6-year-old girl who died and whose sister was found to be a carrier of the causative organism. Both attended a nearby school from which no cases had been reported. A diphtheria immunization program conducted after the onset of the outbreak in areas where cases had occurred had not included this school.

To date, 15,000 doses of Td and DPT have been administered to school contacts, preschool siblings, and neighborhood contacts of these cases by the local and state health departments. In addition, the stimulus of local news coverage prompted several thousand citizens to obtain diphtheria and tetanus immunization in public health clinics and from private physicians.

(Reported by Philip M. Hotchkiss, D.V.M., M.P.H., Acting Assistant Commissioner of Epidemiology Program Design, Arizona State Department of Health; S. F. Farnsworth, M.D., Director, Maricopa County Health Department; and an EIS Officer.)

SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS

CASES OF PRIMARY AND SECONDARY SYPHILIS: By Reporting Areas April 1969 and April 1968 - Provisional Data

Reporting Area	April		Cumulative Jan.-Apr.		Reporting Area	April		Cumulative Jan.-Apr.	
	1969	1968	1969	1968		1969	1968	1969	1968
NEW ENGLAND.....	30	33	109	124	EAST SOUTH CENTRAL.....	81	120	371	486
Maine.....	1	—	2	1	Kentucky.....	16	10	75	38
New Hampshire.....	—	—	1	—	Tennessee.....	28	22	128	99
Vermont.....	—	—	—	—	Alabama.....	22	53	71	229
Massachusetts.....	21	16	65	73	Mississippi.....	15	35	97	120
Rhode Island.....	1	4	12	17					
Connecticut.....	7	13	29	33	WEST SOUTH CENTRAL.....	329	281	1,191	1,148
MIDDLE ATLANTIC.....	311	293	1,275	1,077	Arkansas.....	10	11	44	46
Upstate New York.....	27	13	100	62	Louisiana.....	66	60	237	262
New York City.....	208	196	878	678	Oklahoma.....	16	5	32	23
Pa. (Excl. Phila.).....	4	17	46	85	Texas.....	237	205	878	817
Philadelphia.....	23	27	73	102					
New Jersey.....	49	40	178	150	MOUNTAIN.....	45	48	191	178
EAST NORTH CENTRAL.....	206	213	836	1,015	Montana.....	1	—	1	2
Ohio.....	30	31	129	174	Idaho.....	1	1	2	3
Indiana.....	22	45	111	113	Wyoming.....	1	—	4	—
Downstate Illinois.....	21	9	89	53	Colorado.....	3	1	20	8
Chicago.....	76	61	288	341	New Mexico.....	22	14	88	48
Michigan.....	55	66	216	328	Arizona.....	13	25	61	95
Wisconsin.....	2	1	3	6	Utah.....	—	2	—	2
					Nevada.....	4	5	15	20
WEST NORTH CENTRAL.....	21	36	103	122	PACIFIC.....	153	160	620	563
Minnesota.....	2	2	9	15	Washington.....	4	9	14	17
Iowa.....	5	8	17	12	Oregon.....	1	3	14	11
Missouri.....	6	14	51	61	California.....	148	148	592	532
North Dakota.....	1	—	4	—	Alaska.....	—	—	—	—
South Dakota.....	2	4	6	14	Hawaii.....	—	—	—	3
Nebraska.....	3	6	10	14					
Kansas.....	2	2	6	6	U. S. TOTAL.....	1,549	1,595	6,290	6,484
SOUTH ATLANTIC.....	373	411	1,594	1,771	TERRITORIES.....	120	93	427	355
Delaware.....	8	3	12	12	Puerto Rico.....	120	91	424	329
Maryland.....	43	21	155	150	Virgin Islands.....	—	2	3	26
District of Columbia.....	47	45	178	225					
Virginia.....	23	32	81	90					
West Virginia.....	2	—	4	12					
North Carolina.....	43	67	177	251					
South Carolina.....	40	42	193	192					
Georgia.....	75	73	320	276					
Florida.....	92	128	474	563					

Note: Cumulative Totals include revised and delayed reports through previous months.

EPIDEMIOLOGIC NOTES AND REPORTS

SPONTANEOUS MELIOIDOSIS IN AN IMPORTED MONKEY - New Mexico

Melioidosis was recently diagnosed in an imported stump-tailed macaque monkey (*Macaca speciosa*). The animal was one of 19 obtained on July 11, 1968, by an aeromedical research laboratory in New Mexico from a dealer in California. The actual date of importation from Thailand was unknown. On July 25, the animal developed an abscess on the left arm and axilla and pyoderma with lymphadenitis of the left arm. He was treated with kanamycin but his response was not recorded. On October 17, he was included in a group of four monkeys sent to a hospital in New Mexico for renal clearance studies. He was first taken from his cage on November 19 and was noted to be slightly anemic. A serum sample in December had an abnormal light green color. In January an indurated lesion was noted in the left axilla with a 1 cm hard subcutaneous mass. The surface was ulcerated and draining a serous exudate. Cultures at that time were negative. It was not known if this was the same lesion as noted in the previous July. The lesion showed substantial improvement by February 14 without therapy. On February 24 the animal was noted to be anorectic and disinterested in his surroundings. On March 3 a 5 cm mass was seen over the left clavicle which was apparently unrelated to the axillary lesion. At this point the animal was killed. At necropsy, the mass was found to be a subcutaneous abscess. Another abscess was found in the retroperitoneum from the femoral triangle to the thorax. A milky white

material was present in both abscesses and *Pseudomonas pseudomallei* was isolated.

Because of the potential severity of this disease in man, an epidemiologic investigation was initiated. A serologic survey was conducted of all other monkeys at the hospital, monkeys at the aeromedical research laboratory, and all personnel who had contact with these monkeys. Five animals had titers that in man would be indicative of infection (titer of 1:80 by hemagglutination technique or 1:8 by complement fixation technique). Of these five monkeys, only one had been ill. He was from the same shipment as the index case. In November 1968 he was used in a study in which a permanent subcutaneous catheter was implanted. In February 1969 a series of abscesses had developed along the subcutaneous route of the catheter. These were opened, drained, and cultured. *Staphylococcus aureus* and organisms identified as belonging to the klebsiella-aerobacter group were recovered. The abscesses were refractory to treatment. Exudate from lesion, feces, a pharyngeal swab, and hair clippings were obtained on May 2 and *P. pseudomallei* was identified by presumptive plate cultures and or fluorescent antibody technique in the cultures prepared from the feces, the pharyngeal swab, and the wound exudate. This animal is currently in strict quarantine. The other four animals (two from an earlier shipment of the same company as the

(Continued on page 168)

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED
MAY 10, 1969 AND MAY 11, 1968 (19th WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	DIPHTHERIA	ENCEPHALITIS			HEPATITIS			MALARIA	
				Primary including unsp. cases		Post- Infectious	Serum	Infectious		1969	Cum. 1969
				1969	1968	1969		1969	1968		
UNITED STATES...	23	3	-	19	26	9	97	914	929	103	939
NEW ENGLAND.....	-	-	-	1	3	-	5	82	32	-	34
Maine*	-	-	-	-	-	-	-	3	2	-	2
New Hampshire.....	-	-	-	-	-	-	-	6	1	-	2
Vermont.....	-	-	-	-	-	-	-	1	-	-	-
Massachusetts.....	-	-	-	-	-	-	2	25	14	-	26
Rhode Island.....	-	-	-	-	2	-	-	33	11	-	-
Connecticut.....	-	-	-	1	1	-	3	14	4	-	4
MIDDLE ATLANTIC.....	5	-	-	4	4	3	38	171	140	15	106
New York City.....	2	-	-	2	-	-	24	65	54	-	8
New York, up-State*	-	-	-	-	-	-	2	22	22	2	19
New Jersey*	3	-	-	-	3	-	11	47	33	4	36
Pennsylvania.....	-	-	-	2	1	3	1	37	31	9	43
EAST NORTH CENTRAL...	2	-	-	1	4	-	13	116	179	3	78
Ohio.....	2	-	-	-	-	-	1	28	42	-	10
Indiana.....	-	-	-	-	-	-	1	10	18	-	7
Illinois.....	-	-	-	-	2	-	1	17	71	2	34
Michigan.....	-	-	-	1	2	-	10	56	41	1	26
Wisconsin.....	-	-	-	-	-	-	-	5	7	-	1
WEST NORTH CENTRAL...	-	2	-	-	1	-	1	22	48	2	62
Minnesota.....	-	1	-	-	-	-	-	9	11	-	7
Iowa.....	-	-	-	-	-	-	1	3	9	-	5
Missouri.....	-	-	-	-	1	-	-	3	15	-	15
North Dakota.....	-	-	-	-	-	-	-	1	1	-	2
South Dakota.....	-	-	-	-	-	-	-	1	1	-	-
Nebraska.....	-	1	-	-	-	-	-	2	1	-	3
Kansas.....	-	-	-	-	-	-	-	3	10	2	30
SOUTH ATLANTIC.....	-	-	-	5	6	1	2	89	92	54	311
Delaware.....	-	-	-	-	1	-	-	-	2	-	1
Maryland.....	-	-	-	2	1	-	1	19	11	1	9
Dist. of Columbia..	-	-	-	-	-	-	-	-	2	-	1
Virginia.....	-	-	-	-	2	-	-	4	10	-	12
West Virginia.....	-	-	-	1	-	-	-	2	3	-	-
North Carolina.....	-	-	-	-	-	-	1	9	3	6	137
South Carolina.....	-	-	-	2	-	-	-	6	3	2	26
Georgia.....	-	-	-	-	-	-	-	31	33	45	109
Florida.....	-	-	-	-	2	1	-	16	25	-	16
EAST SOUTH CENTRAL...	1	1	-	1	2	-	-	64	57	-	25
Kentucky.....	1	-	-	-	-	-	-	26	21	-	20
Tennessee.....	-	1	-	1	2	-	-	25	25	-	-
Alabama.....	-	-	-	-	-	-	-	4	4	-	2
Mississippi.....	-	-	-	-	-	-	-	9	7	-	-
WEST SOUTH CENTRAL...	2	-	-	3	1	-	3	68	61	1	26
Arkansas.....	-	-	-	1	-	-	-	-	4	-	5
Louisiana*	1	-	-	2	-	-	1	13	10	1	19
Oklahoma.....	-	-	-	-	-	-	-	5	2	-	2
Texas.....	1	-	-	-	1	-	2	50	45	-	-
MOUNTAIN.....	1	-	-	1	3	1	3	58	46	4	69
Montana.....	-	-	-	-	-	1	-	2	5	-	-
Idaho.....	-	-	-	-	-	-	-	3	6	-	1
Wyoming.....	-	-	-	-	-	-	-	-	2	-	-
Colorado.....	1	-	-	-	3	-	-	17	15	4	63
New Mexico.....	-	-	-	1	-	-	-	7	5	-	3
Arizona.....	-	-	-	-	-	-	1	11	9	-	1
Utah.....	-	-	-	-	-	-	2	4	4	-	1
Nevada.....	-	-	-	-	-	-	-	14	-	-	-
PACIFIC.....	12	-	-	3	2	4	32	244	274	24	228
Washington.....	3	-	-	-	-	-	-	35	17	-	5
Oregon.....	-	-	-	-	-	-	-	11	17	-	5
California.....	9	-	-	3	1	4	31	195	231	13	164
Alaska.....	-	-	-	-	-	-	-	-	7	-	-
Hawaii.....	-	-	-	-	1	-	1	3	2	11	34
Puerto Rico.....	-	-	-	-	-	-	-	33	19	-	1

*Delayed reports:

Encephalitis, primary: La. 1

Encephalitis, post-infectious: La. delete 1

Hepatitis, serum: N.J. delete 1

Hepatitis, infectious: N.Y. Ups. 7(1968), 8(1969), N.J. delete 11, La. delete 1

Malaria: Me. 2

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MAY 10, 1969 AND MAY 1968 (19th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS	POLIOMYELITIS			RUBELLA
		Cumulative			Cumulative			Total	Paralytic		
	1969	1969	1968	1969	1969	1968	1969	1969	1969	Cum. 1969	1969
UNITED STATES...	916	12,452	12,854	60	1,631	1,350	2,541	-	-	1	3,106
NEW ENGLAND.....	67	661	543	3	49	71	410	-	-	-	117
Maine*.....	-	2	13	-	4	5	36	-	-	-	4
New Hampshire.....	34	200	71	1	1	7	1	-	-	-	1
Vermont.....	-	2	1	-	-	1	16	-	-	-	2
Massachusetts*.....	15	122	178	1	22	31	133	-	-	-	43
Rhode Island.....	-	9	1	-	4	6	52	-	-	-	9
Connecticut.....	18	326	279	1	18	21	172	-	-	-	58
MIDDLE ATLANTIC.....	347	4,361	1,985	10	245	225	193	-	-	-	447
New York City.....	228	3,095	686	3	44	44	111	-	-	-	58
New York, Up-State.....	18	397	892	2	41	37	NN	-	-	-	43
New Jersey.....	27	401	337	2	104	80	82	-	-	-	55
Pennsylvania.....	74	468	70	3	56	64	NN	-	-	-	291
EAST NORTH CENTRAL...	76	1,272	2,765	9	210	145	692	-	-	-	870
Ohio.....	35	207	233	2	73	39	71	-	-	-	230
Indiana*.....	8	365	436	1	28	19	155	-	-	-	167
Illinois.....	8	210	1,107	-	35	35	62	-	-	-	79
Michigan.*.....	11	124	179	5	60	40	241	-	-	-	267
Wisconsin.....	14	366	810	1	14	12	163	-	-	-	127
WEST NORTH CENTRAL...	12	378	282	1	77	64	227	-	-	-	115
Minnesota.....	-	1	10	-	16	16	21	-	-	-	7
Iowa.....	12	241	64	-	10	4	170	-	-	-	74
Missouri.....	-	14	65	1	28	18	2	-	-	-	13
North Dakota.....	-	6	103	-	-	2	29	-	-	-	6
South Dakota.....	-	-	4	-	-	4	NN	-	-	-	-
Nebraska.....	-	113	28	-	9	6	5	-	-	-	15
Kansas.....	-	3	8	-	14	14	-	-	-	-	-
SOUTH ATLANTIC.....	79	1,751	1,024	17	296	298	202	-	-	-	308
Delaware.....	28	198	8	-	4	4	3	-	-	-	7
Maryland.....	2	30	62	2	29	18	26	-	-	-	40
Dist. of Columbia..	-	3	6	-	8	11	11	-	-	-	20
Virginia.....	10	692	206	3	35	21	18	-	-	-	52
West Virginia.....	3	144	169	1	13	7	119	-	-	-	112
North Carolina.....	7	148	256	-	45	58	NN	-	-	-	-
South Carolina.*...	8	91	10	1	43	51	8	-	-	-	15
Georgia.....	-	1	3	9	51	57	-	-	-	-	-
Florida.....	21	444	304	1	68	71	17	-	-	-	62
EAST SOUTH CENTRAL...	2	62	342	3	88	113	68	-	-	-	103
Kentucky.....	1	29	77	-	25	42	11	-	-	-	19
Tennessee.....	-	15	48	3	39	38	54	-	-	-	82
Alabama.....	1	1	56	-	14	16	2	-	-	-	1
Mississippi.....	-	17	161	-	10	17	1	-	-	-	1
WEST SOUTH CENTRAL...	196	2,876	3,424	6	237	244	287	-	-	1	439
Arkansas.....	-	3	1	2	25	15	1	-	-	-	-
Louisiana.....	1	74	2	2	67	64	-	-	-	-	-
Oklahoma.....	1	109	101	-	23	45	16	-	-	-	153
Texas.....	194	2,690	3,320	2	122	120	270	-	-	1	286
MOUNTAIN.....	94	389	643	1	33	19	162	-	-	-	172
Montana.....	-	4	55	-	4	2	32	-	-	-	1
Idaho.....	-	38	11	1	6	6	10	-	-	-	16
Wyoming.....	8	8	44	-	-	-	-	-	-	-	-
Colorado.....	34	70	311	-	6	7	25	-	-	-	103
New Mexico.....	28	152	53	-	6	-	17	-	-	-	20
Arizona.....	24	114	145	-	8	1	77	-	-	-	30
Utah.....	-	2	19	-	1	-	1	-	-	-	2
Nevada.....	-	1	5	-	2	3	-	-	-	-	-
PACIFIC.....	43	702	1,846	10	396	171	300	-	-	-	535
Washington.....	1	46	450	1	50	27	63	-	-	-	57
Oregon.....	7	147	367	-	9	16	5	-	-	-	26
California.....	35	493	996	9	319	118	214	-	-	-	416
Alaska.*.....	-	10	-	-	10	-	-	-	-	-	-
Hawaii.....	-	6	33	-	8	10	18	-	-	-	36
Puerto Rico.....	90	463	269	3	12	16	18	-	-	-	4

*Delayed reports: Measles: Mass. delete 9, Mich. delete 1, Alaska delete 3

Meningococcal infections: Ind. delete 1, S.C. delete 1

Mumps: Me. 3

Rubella: Me. 6, Alaska 3

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MAY 10, 1969 AND MAY 11, 1968 (19th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
		1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969
UNITED STATES...	8,364	5	40	2	33	14	97	11	21	77	1,487
NEW ENGLAND.....	1,250	—	—	—	—	—	1	—	—	—	5
Maine*.....	14	—	—	—	—	—	—	—	—	—	4
New Hampshire.....	40	—	—	—	—	—	—	—	—	—	—
Vermont.....	10	—	—	—	—	—	—	—	—	—	1
Massachusetts.....	176	—	—	—	—	—	1	—	—	—	—
Rhode Island.....	92	—	—	—	—	—	—	—	—	—	—
Connecticut.....	918	—	—	—	—	—	—	—	—	—	—
MIDDLE ATLANTIC.....	331	1	6	1	2	—	10	—	—	5	43
New York City.....	22	1	4	—	1	—	6	—	—	—	—
New York, Up-State.....	203	—	2	1	1	—	2	—	—	5	41
New Jersey.....	NN	—	—	—	—	—	—	—	—	—	—
Pennsylvania.....	106	—	—	—	—	—	2	—	—	—	2
EAST NORTH CENTRAL...	897	—	3	—	2	—	10	—	—	5	85
Ohio.....	196	—	—	—	—	—	6	—	—	—	26
Indiana*.....	223	—	—	—	1	—	—	—	—	1	20
Illinois.....	137	—	1	—	1	—	1	—	—	3	16
Michigan.....	249	—	2	—	—	—	3	—	—	1	2
Wisconsin.....	92	—	—	—	—	—	—	—	—	—	21
WEST NORTH CENTRAL...	318	—	1	—	4	1	1	—	—	17	279
Minnesota.....	17	—	—	—	—	—	—	—	—	5	67
Iowa.....	95	—	—	—	—	—	—	—	—	2	36
Missouri.....	12	—	—	—	3	—	—	—	—	5	86
North Dakota.....	91	—	—	—	—	—	—	—	—	1	34
South Dakota.....	32	—	—	—	—	—	—	—	—	—	13
Nebraska.....	58	—	—	—	—	1	1	—	—	—	8
Kansas.....	13	—	1	—	1	—	—	—	—	4	35
SOUTH ATLANTIC.....	717	—	9	—	13	2	14	5	6	11	425
Delaware.....	18	—	—	—	—	—	—	—	—	—	—
Maryland.....	130	—	—	—	—	—	2	—	—	—	—
Dist. of Columbia..	11	—	2	—	—	—	—	—	—	—	—
Virginia*.....	211	—	—	—	—	—	—	—	1	7	236
West Virginia.....	105	—	1	—	2	1	1	1	1	2	67
North Carolina.....	21	—	1	—	5	—	3	4	4	—	4
South Carolina.....	63	—	1	—	1	—	1	—	—	—	—
Georgia.....	7	—	—	—	1	1	5	—	—	1	34
Florida.....	151	—	4	—	4	—	2	—	—	1	84
EAST SOUTH CENTRAL...	1,189	—	4	1	7	1	11	3	9	9	251
Kentucky*.....	119	—	2	—	—	—	2	1	1	5	142
Tennessee.....	920	—	2	1	6	1	8	2	8	2	84
Alabama.....	104	—	—	—	—	—	—	—	—	2	25
Mississippi.....	46	—	—	—	1	—	1	—	—	—	—
WEST SOUTH CENTRAL...	520	4	12	—	2	1	12	1	2	11	197
Arkansas.....	3	—	—	—	—	—	6	—	—	1	16
Louisiana.....	1	—	5	—	—	—	—	—	—	—	13
Oklahoma.....	30	—	1	—	2	—	—	1	2	—	31
Texas.....	486	4	6	—	—	1	6	—	—	10	137
MOUNTAIN.....	1,658	—	—	—	3	2	14	2	3	5	56
Montana.....	15	—	—	—	—	—	—	—	—	—	—
Idaho.....	87	—	—	—	—	—	—	—	—	—	—
Wyoming.....	198	—	—	—	—	—	5	—	—	4	35
Colorado.....	974	—	—	—	—	—	2	2	3	—	2
New Mexico.....	158	—	—	—	1	2	5	—	—	—	7
Arizona.....	112	—	—	—	—	—	1	—	—	—	8
Utah.....	113	—	—	—	2	—	—	—	—	1	1
Nevada.....	1	—	—	—	—	—	1	—	—	—	3
PACIFIC.....	1,484	—	5	—	—	7	24	—	1	14	146
Washington.....	753	—	1	—	—	—	1	—	—	—	—
Oregon.....	94	—	—	—	—	6	6	—	—	—	—
California.....	552	—	4	—	—	1	17	—	1	14	146
Alaska.....	23	—	—	—	—	—	—	—	—	—	—
Hawaii.....	62	—	—	—	—	—	—	—	—	—	—
Puerto Rico.....	3	—	2	—	—	—	3	—	—	2	11

*Delayed reports: SST: Me. 14, Ind. delete 1,000

Rabies in animals: Ind. delete 1, Va. delete 1, Ky. delete 1

Week No.
19

TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED MAY 10, 1969

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes	Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over				All Ages	65 years and over		
NEW ENGLAND:	766	457	52	27	SOUTH ATLANTIC:	1,188	649	43	55
Boston, Mass.-----	258	130	17	16	Atlanta, Ga.-----	106	47	1	2
Bridgeport, Conn.-----	48	29	2	1	Baltimore, Md.-----	274	153	9	14
Cambridge, Mass.-----	29	24	2	-	Charlotte, N. C.-----	47	26	-	6
Fall River, Mass.-----	29	26	1	-	Jacksonville, Fla.-----	71	41	5	6
Hartford, Conn.-----	68	37	2	1	Miami, Fla.-----	103	53	-	3
Lowell, Mass.-----	31	21	2	1	Norfolk, Va.-----	63	27	6	4
Lynn, Mass.-----	17	12	2	-	Richmond, Va.-----	74	48	4	-
New Bedford, Mass.-----	34	21	2	2	Savannah, Ga.-----	35	15	2	3
New Haven, Conn.-----	47	28	3	-	St. Petersburg, Fla.-----	90	76	4	-
Providence, R. I.-----	63	35	5	5	Tampa, Fla.-----	67	40	4	2
Somerville, Mass.-----	9	5	2	-	Washington, D. C.-----	213	102	7	10
Springfield, Mass.-----	53	37	8	-	Wilmington, Del.-----	45	21	1	5
Waterbury, Conn.-----	27	13	-	-					
Worcester, Mass.-----	53	39	4	1	EAST SOUTH CENTRAL:	667	370	29	39
MIDDLE ATLANTIC:	3,373	1,933	143	137	Birmingham, Ala.-----	97	51	3	9
Albany, N. Y.-----	68	41	1	3	Chattanooga, Tenn.-----	42	22	2	3
Allentown, Pa.-----	39	24	5	1	Knoxville, Tenn.-----	55	35	2	2
Buffalo, N. Y.-----	161	83	5	8	Louisville, Ky.-----	122	74	13	10
Camden, N. J.-----	43	23	7	1	Memphis, Tenn.-----	163	80	5	11
Elizabeth, N. J.-----	33	23	4	1	Mobile, Ala.-----	45	25	-	1
Erie, Pa.-----	39	23	2	3	Montgomery, Ala.-----	35	17	2	1
Jersey City, N. J.-----	59	33	1	4	Nashville, Tenn.-----	108	66	2	2
Newark, N. J.-----	80	32	5	6	WEST SOUTH CENTRAL:	1,146	579	47	82
New York City, N. Y.-----	1,668	956	62	64	Austin, Tex.-----	38	23	3	2
Paterson, N. J.-----	42	24	-	1	Baton Rouge, La.-----	48	20	-	2
Philadelphia, Pa.-----	501	266	12	22	Corpus Christi, Tex.-----	18	8	-	1
Pittsburgh, Pa.-----	186	111	20	3	Dallas, Tex.-----	150	78	4	10
Reading, Pa.-----	64	45	3	-	El Paso, Tex.-----	48	25	6	4
Rochester, N. Y.-----	121	71	3	6	Fort Worth, Tex.-----	75	41	4	7
Schenectady, N. Y.-----	30	25	-	2	Houston, Tex.-----	217	112	5	14
Scranton, Pa.-----	29	21	-	2	Little Rock, Ark.-----	76	39	8	5
Syracuse, N. Y.-----	81	47	6	5	New Orleans, La.-----	153	67	4	13
Trenton, N. J.-----	54	31	1	3	Oklahoma City, Okla.-----	85	47	-	3
Utica, N. Y.-----	38	30	6	1	San Antonio, Tex.-----	121	60	-	11
Yonkers, N. Y.-----	37	24	-	1	Shreveport, La.-----	63	31	7	4
EAST NORTH CENTRAL:	2,618	1,510	84	114	Tulsa, Okla.-----	54	28	6	6
Akron, Ohio-----	53	29	-	5	MOUNTAIN:	396	248	12	13
Canton, Ohio-----	38	25	5	3	Albuquerque, N. Mex.-----	32	20	3	-
Chicago, Ill.-----	754	412	29	37	Colorado Springs, Colo.-----	30	17	4	-
Cincinnati, Ohio-----	192	120	1	4	Denver, Colo.-----	103	70	3	6
Cleveland, Ohio-----	167	93	2	8	Ogden, Utah-----	17	10	-	1
Columbus, Ohio-----	116	65	3	3	Phoenix, Ariz.-----	89	56	1	2
Oayten, Ohio-----	79	52	3	4	Pueblo, Colo.-----	16	14	-	-
Detroit, Mich.-----	369	198	6	13	Salt Lake City, Utah-----	58	32	1	2
Evansville, Ind.-----	49	30	-	4	Tucson, Ariz.-----	51	29	-	2
Flint, Mich.-----	64	26	2	5	PACIFIC:	1,611	998	45	58
Fort Wayne, Ind.-----	43	23	5	1	Berkeley, Calif.-----	11	8	-	-
Gary, Ind.-----	29	19	2	2	Fresno, Calif.-----	64	36	2	2
Grand Rapids, Mich.-----	63	34	7	4	Glendale, Calif.-----	27	17	-	-
Indianapolis, Ind.-----	160	99	3	4	Honolulu, Hawaii-----	44	24	1	1
Madison, Wis.-----	36	21	2	2	Long Beach, Calif.-----	91	52	3	3
Milwaukee, Wis.-----	133	82	3	4	Los Angeles, Calif.-----	499	301	11	17
Peoria, Ill.-----	36	25	1	3	Oakland, Calif.-----	69	36	1	12
Rockford, Ill.-----	34	27	3	1	Pasadena, Calif.-----	39	29	1	-
South Bend, Ind.-----	43	27	1	1	Portland, Oreg.-----	150	114	12	6
Toledo, Ohio-----	98	62	4	6	Sacramento, Calif.-----	60	44	1	-
Youngstown, Ohio-----	62	41	2	-	San Diego, Calif.-----	99	60	3	1
WEST NORTH CENTRAL:	786	454	24	37	San Francisco, Calif.-----	189	107	5	7
Des Moines, Iowa-----	64	37	2	2	San Jose, Calif.-----	35	18	-	2
Duluth, Minn.-----	14	8	2	-	Seattle, Wash.-----	129	78	3	6
Kansas City, Kans.-----	31	15	5	5	Spokane, Wash.-----	63	45	2	-
Kansas City, Mo.-----	136	80	1	5	Tacoma, Wash.-----	42	29	-	1
Lincoln, Nebr.-----	19	14	-	-	Total	12,551	7,198	479	562
Minneapolis, Minn.-----	122	74	2	3	Cumulative Totals including reported corrections for previous weeks				
Omaha, Nebr.-----	87	47	-	5	All Causes, All Ages -----	263,461			
St. Louis, Mo.-----	195	106	4	8	All Causes, Age 65 and over-----	152,556			
St. Paul, Minn.-----	63	44	1	3	Pneumonia and Influenza, All Ages-----	15,163			
Wichita, Kans.-----	55	29	7	6	All Causes, Under 1 Year of Age-----	11,827			

MELIOIDOSIS — (Continued from page 163)

index case, and one from a third shipment) have shown no overt signs of illness.

Investigations of humans who had contact with these animals are continuing.

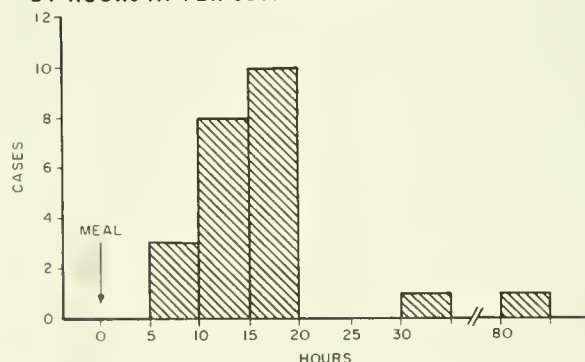
(Reported by Richard J. Cronin, M.D., Veterans Administration Hospital, Albuquerque; Lt. Col. Jack D. Douglas, Aeromedical Research Laboratory, Holloman Air Force Base, New Mexico; A. D. Alexander, Ph.D., Walter Reed Army Institute of Research, Walter Reed Army Medical Center, Washington, D.C.; and the Epidemiology Program, and Laboratory Division, NCDC.)

FOLLOW-UP OUTBREAK OF GASTROENTERITIS DURING A TOUR OF THE ORIENT — Alaska

Additional information concerning the outbreak of gastroenteritis among members of a tour group returning to Seattle from a tour of the Orient on an international flight from Bangkok (MMWR, Vol. 18, No. 18) shows that of 42 tourists, 23 developed illness (attack rate 55 percent). In 83 percent of the cases, the initial symptoms were lower gastrointestinal and included diarrhea (91 percent), abdominal cramps (79 percent), nausea (65 percent), and vomiting (39 percent); there were no reports of fever. One person died and two were hospitalized; 50 percent of the ill travelers recovered within 12 hours.

Epidemiologic investigation incriminated a dinner served aboard the flight between Bangkok and Hong Kong on the evening of May 3. The mean incubation period was approximately 15 hours (Figure 1). No information is available concerning the health of non-tour members of the Bangkok to Hong Kong flight. No flight crew members reported illness; however, none ate dinner aboard the plane. Food histories — while not conclusive — suggest that a shrimp, crab salad and/or cocktail sauce served at that meal was the vehicle of infection. No leftover food was available for analysis. Laboratory evaluation of specimens from patients is in progress.

Figure 1
CASES OF ACUTE GASTROENTERITIS
DURING A TOUR OF THE ORIENT
BY HOURS AFTER SUSPECT MEAL — MAY 1969



(Reported by the Enteric Diseases Section, Bacterial Diseases Branch, Epidemiology Program, NCDC, and a team of EIS Officers.)

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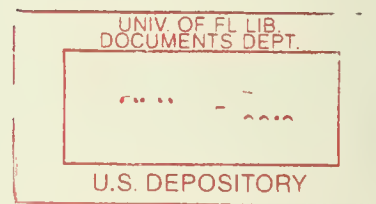
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